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(71) Applicant: **Yang, Tai-Her**
Si-Hu Town
Dzan-Hwa (TW)

(72) Inventor: **Yang, Tai-Her**
Si-Hu Town
Dzan-Hwa (TW)

(74) Representative: **Wright, Howard Hugh Burnby et al**
Withers & Rogers LLP
4 More London Riverside
London
SE1 2AU (GB)

(54) Energy storage with differential hybrid power distribution system

(57) An energy storage type of differential hybrid power distribution system to drive an all wheel driving carrier; a revolution output end (101) of an internal combustion engine (100) to drive the front wheel (107) through an intermediate transmission and control interface device (103), and to also drive an input end of the energy storage type of differential hybrid power device (104) to output kinetics to further drive the rear wheel (114); and an electro-mechanical unit (108) functioning as a generator and a motor being disposed in the energy storage type of differential hybrid power device (104) to regulate the power distribution between the front wheel (107) and the rear wheel (114) by controlling the electro-mechanical unit (108) to operate as a motor or as a generator.

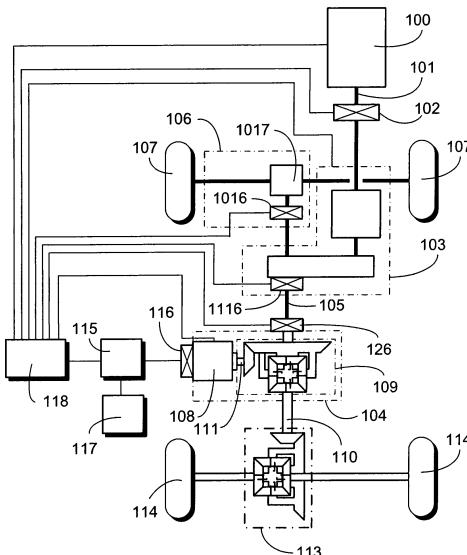


FIG. 1



DECLARATION

Application Number

which under Rule 63 of the European Patent Convention EP 08 25 3864
shall be considered, for the purposes of subsequent
proceedings, as the European search report

		CLASSIFICATION OF THE APPLICATION (IPC)						
<p>The Search Division considers that the present application, does not comply with the provisions of the EPC to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of all claims</p> <p>Reason:</p> <p>1. Following an invitation under Rule 62a and 63(1) EPC, applicant submitted a statement indicating the subject-matter to be searched, which according to applicant is based on claim 1. The statement covers 2 and a half pages and is in part drafted like a claim. However, the statement itself is divided in three parts. Page 2, bottom paragraph includes two dots, i.e. the statement is divided in three sentences. Except the brief reference to claim 1, applicant has not provided any explanation as to where the features of this statement are disclosed (Article 123(2) EPC). Applicant has also not provided any explanation what features of claim 1 have not been included and as to why the set of features combined to form the statement is disclosed in the application as filed. Added subject-matter may also arise if features are picked out of context (frequently referred to as "intermediate generalisation"). 2. Applicant has not put forth any arguments against the objections raised. Applicant has submitted a "statement indicating the subject-matter to be searched". Applicant in fact asks for the claims as on record to be ignored and to search something different from the claimed subject-matter. Applicant was, at least implicitly, invited to submit a "precise and understandable set of features". Hence, submission of the statement is supported by the invitation. 3. The purpose of an invitation under Rule 62a and 63(1) EPC is not to redraft the application. This argument is moot in view</p>		INV. B60W20/00 B60K6/48 B60K17/35						
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<p>EPO FORM 1504 (F04F37)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33.33%; padding: 2px;">Place of search</td> <td style="width: 33.33%; padding: 2px;">Date</td> <td style="width: 33.33%; padding: 2px;">Examiner</td> </tr> <tr> <td style="padding: 2px;">Munich</td> <td style="padding: 2px;">26 March 2013</td> <td style="padding: 2px;">Plenk, Rupert</td> </tr> </table>			Place of search	Date	Examiner	Munich	26 March 2013	Plenk, Rupert
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<p>Reason:</p> <p>of point 2.</p> <p>4. In case of multiple independent claims, the invitation shall give an applicant the option to choose what independent claim shall be searched. In case of lack of clarity, applicant shall have an option to comment on the clarity objections before the search is carried out.</p> <p>Here, it would appear that applicant has decided to prosecute claim 1. Hence, the objection against too many independent claims has been complied with.</p> <p>5. The clarity issues which were present in original claim 1 have not been addressed. In fact, the statement still has a clarity problem (Article 84 EPC), due to being split in three parts. The invitation under Rule 62a and 63(1) EPC expressly stated "in order to be in a position to carry out a meaningful search, the examiner needs a precise and understandable set of features". The statement does not meet this requirement.</p> <p>In addition, the statement requires an "electro-mechanical unit (108) for functioning as a generator or a motor", see page 1, paragraph 3, " a first brake (116) disposed between the rotor and the static case of the electromechanical device [sic] (108)", see page 2, paragraph 3, with "the electro-mechanical device [sic] (108) ... disposed between the shaft and the case of the static part of the rotor", page 2, beginning of the last paragraph.</p> <p>It is not clear what "the case of the static part of the rotor" is, since a rotor is supposed to be rotating. Further, it is not clear how the unit/device (108) can comprise a rotor and be disposed</p> <p style="text-align: right;">-/-</p>	
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<p>Reason:</p> <p>between a shaft and a case of the static part of a rotor. This raises the question whether the rotor mentioned in the last paragraph is the rotor of the unit/device (108) or another rotor.</p> <p>6. The statement submitted by applicant does not deal away with all objections raised. At least the clarity objections still apply.</p> <p>7. As indicated in the invitation, the objections are such that no search is possible.</p>				
<p>The applicant's attention is drawn to the fact that a search may be carried out during examination following a declaration of no search under Rule 63 EPC, should the problems which led to the declaration being issued be overcome (see EPC Guideline C-VI, 8.2).</p>				
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EPO FORM 1504 (P04F37)	<table border="1"> <tr> <td data-bbox="389 1830 659 1915">Place of search Munich</td><td data-bbox="659 1830 1024 1915">Date 26 March 2013</td><td data-bbox="1024 1830 1368 1915">Examiner Plenk, Rupert</td></tr> </table>	Place of search Munich	Date 26 March 2013	Examiner Plenk, Rupert
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